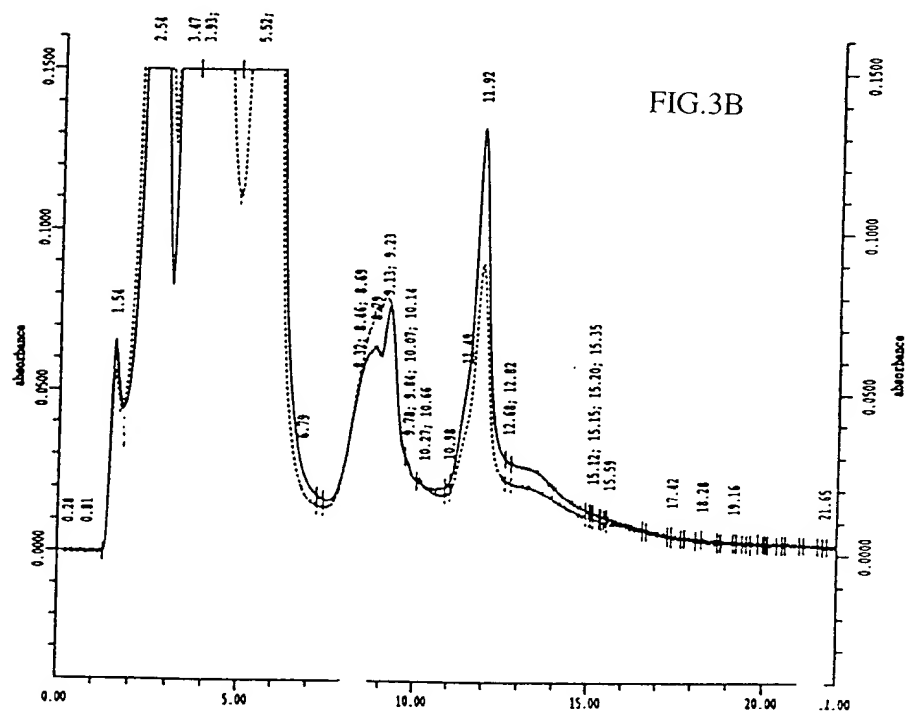
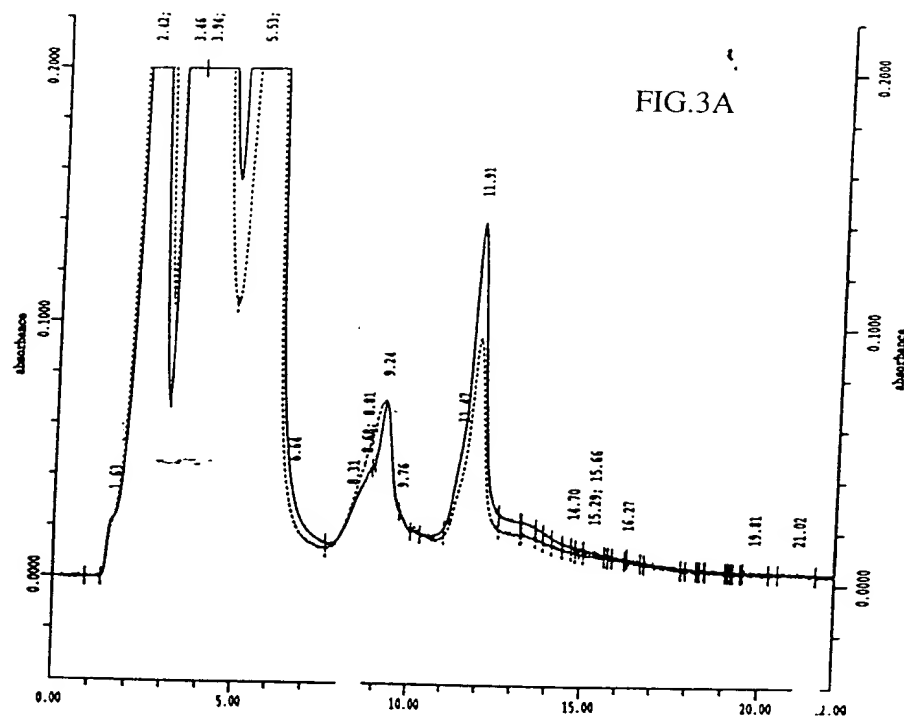


FIG. 2



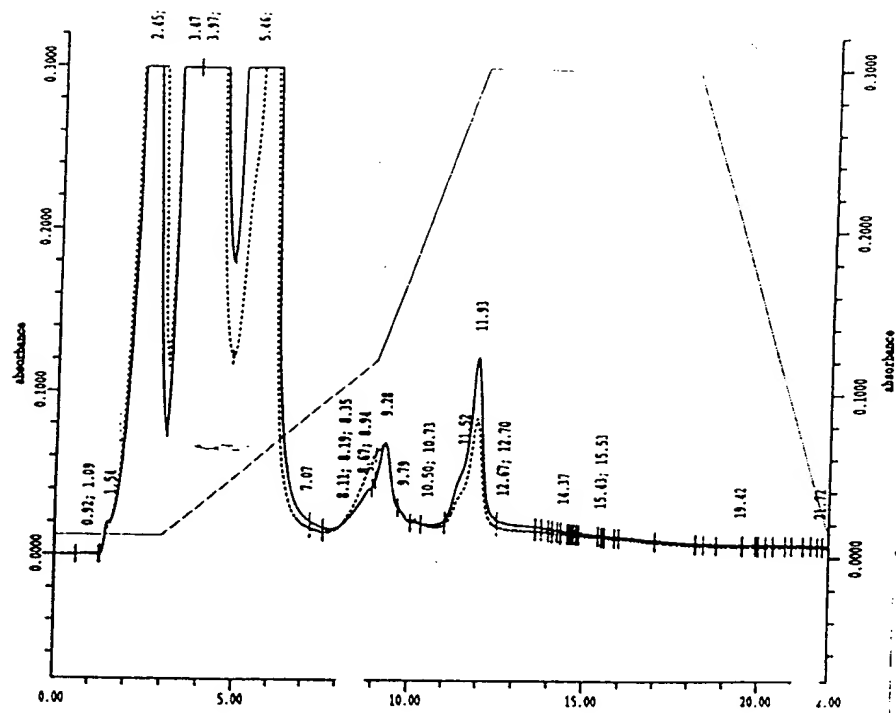


FIG.3C

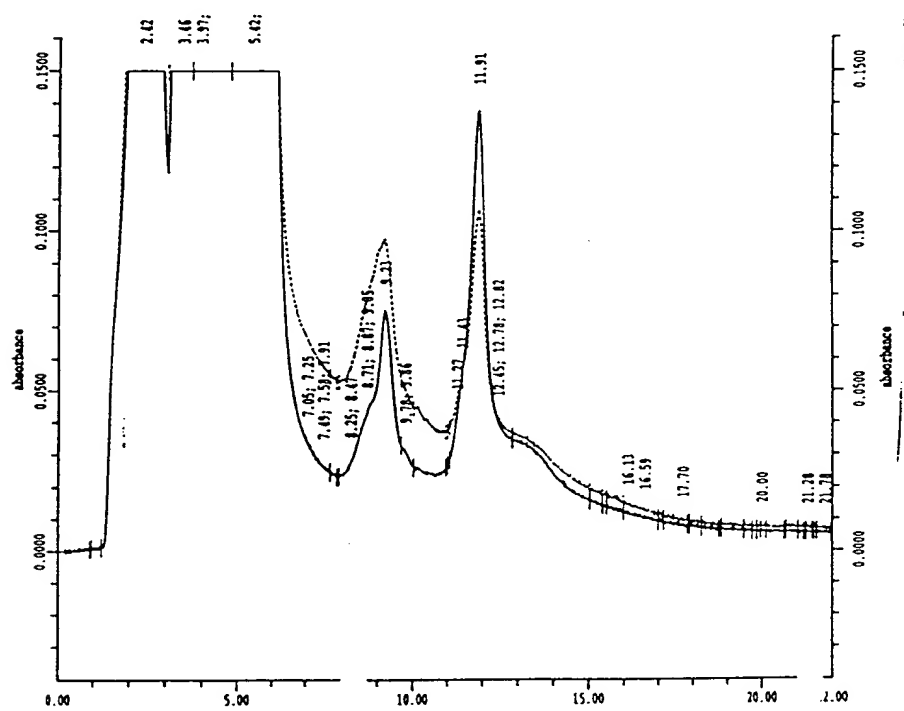


FIG.3D

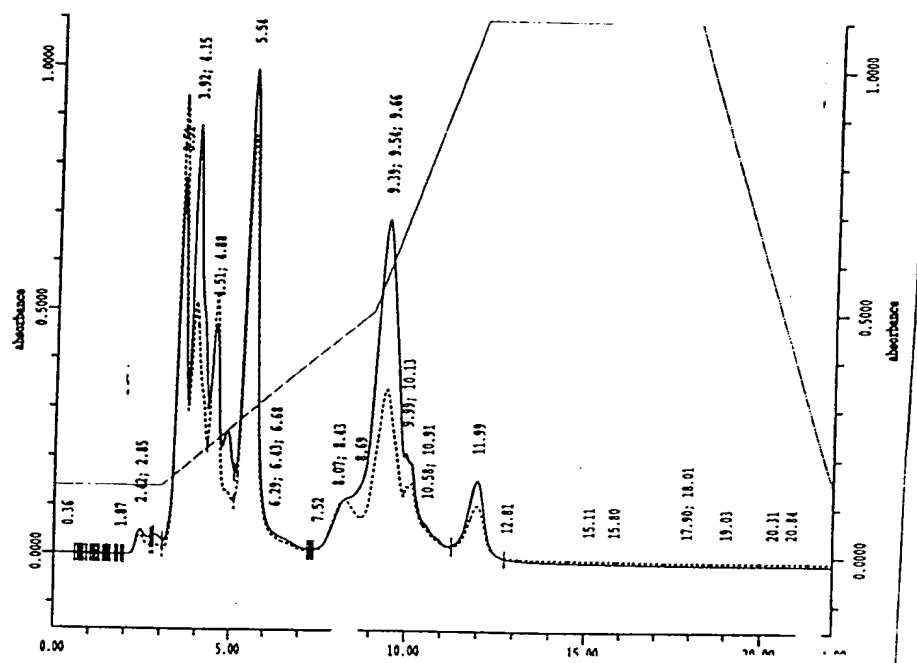
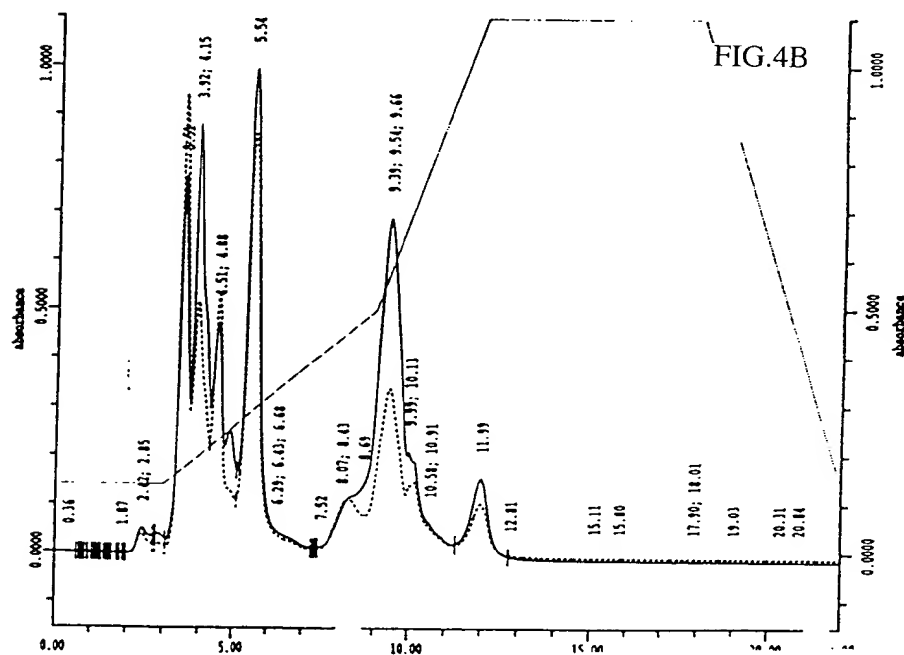
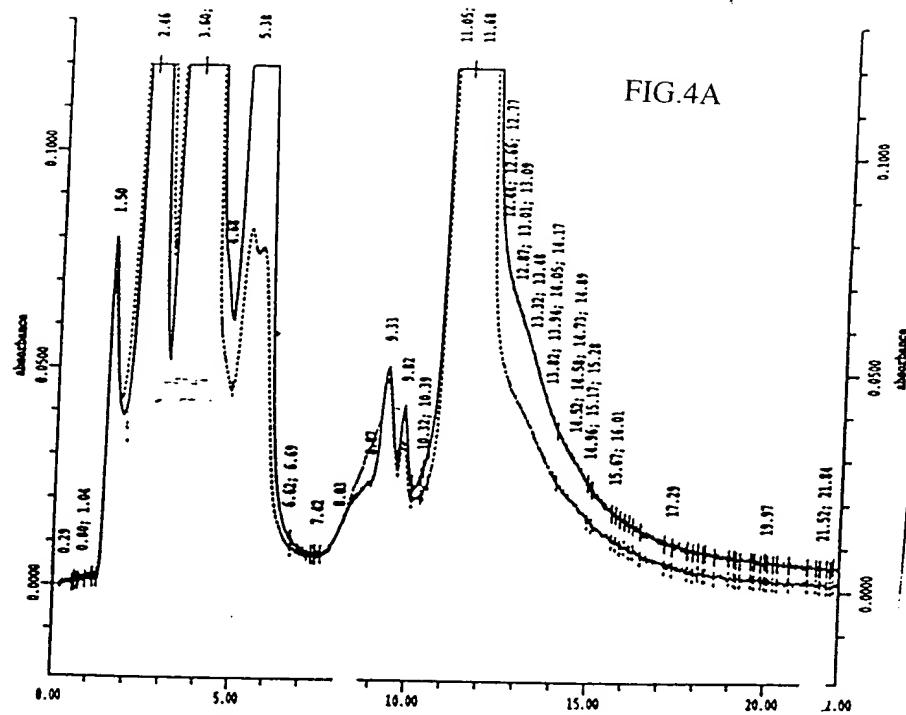


FIG.3E



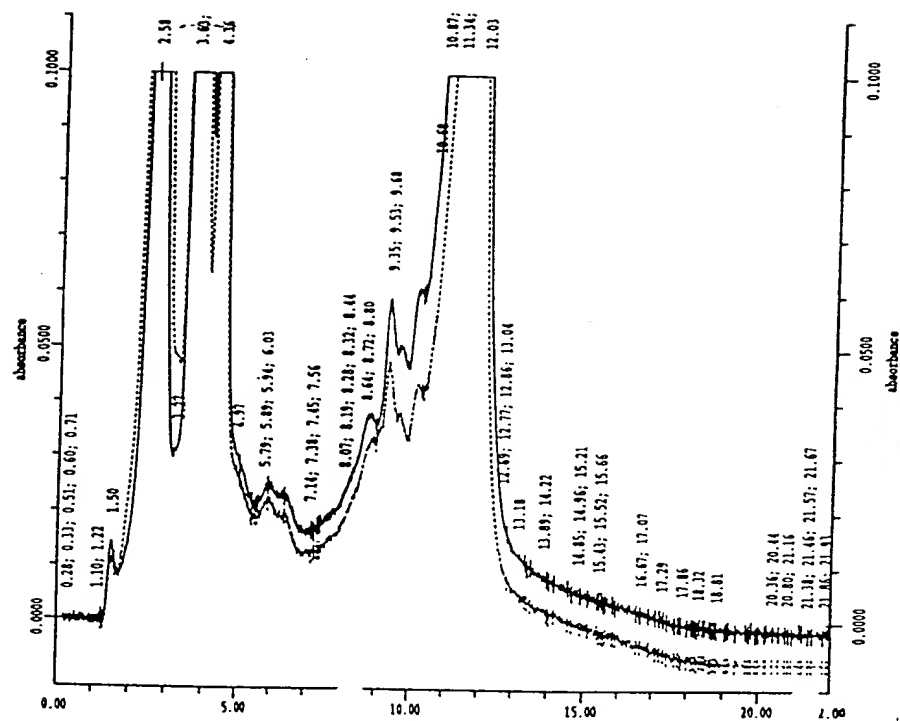


FIG.5

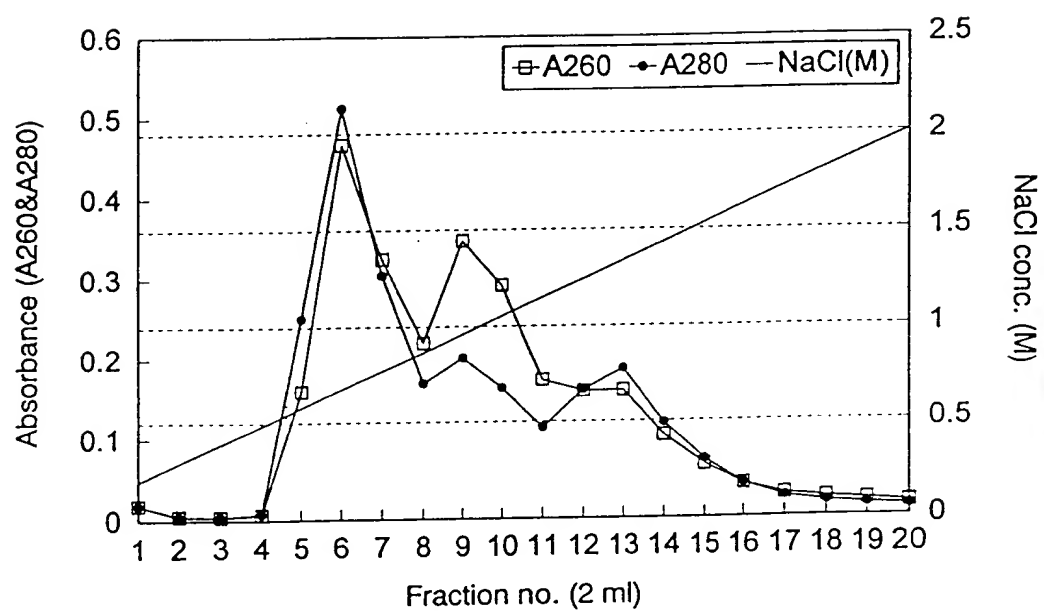


FIG.6

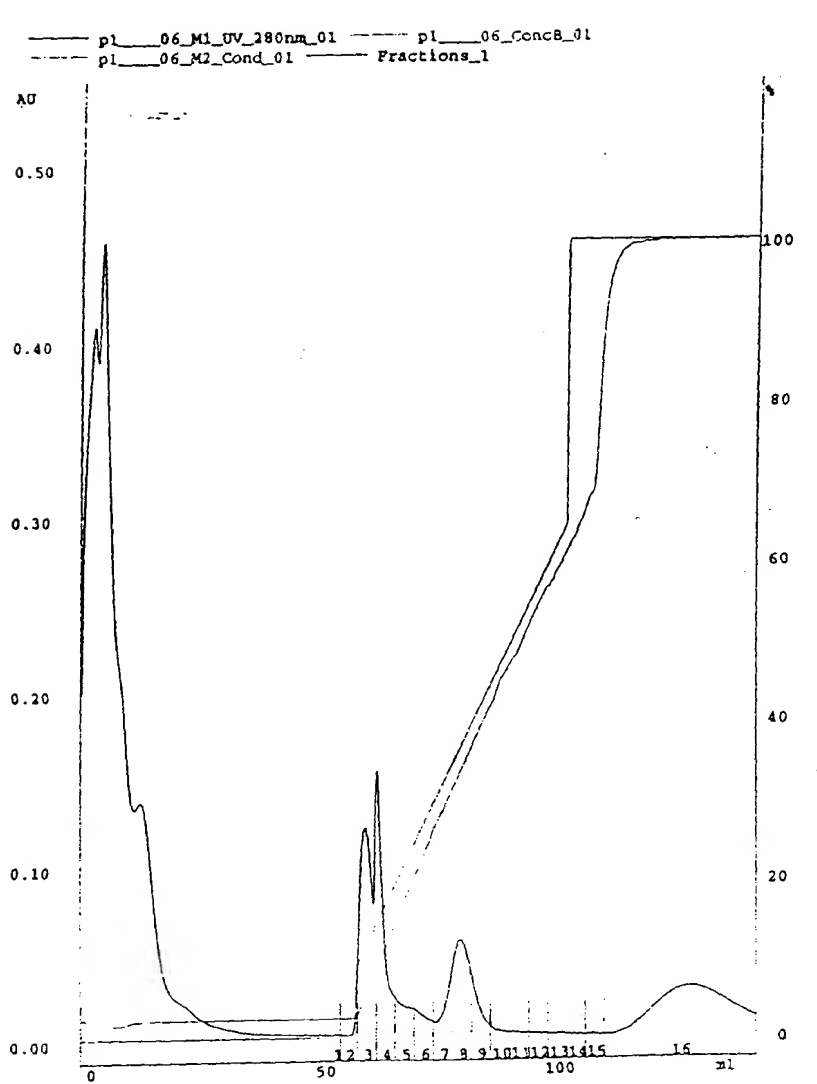
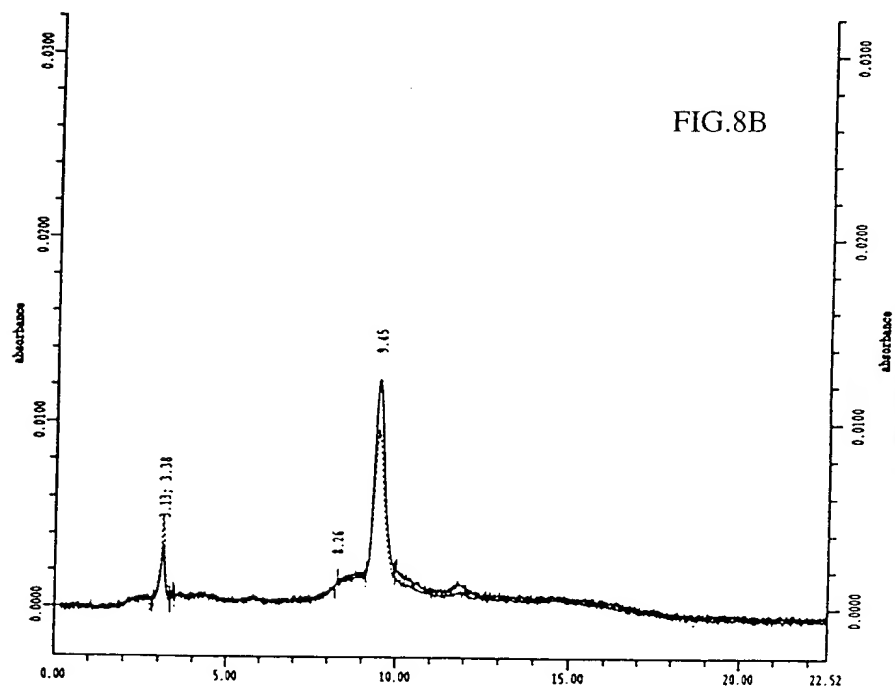
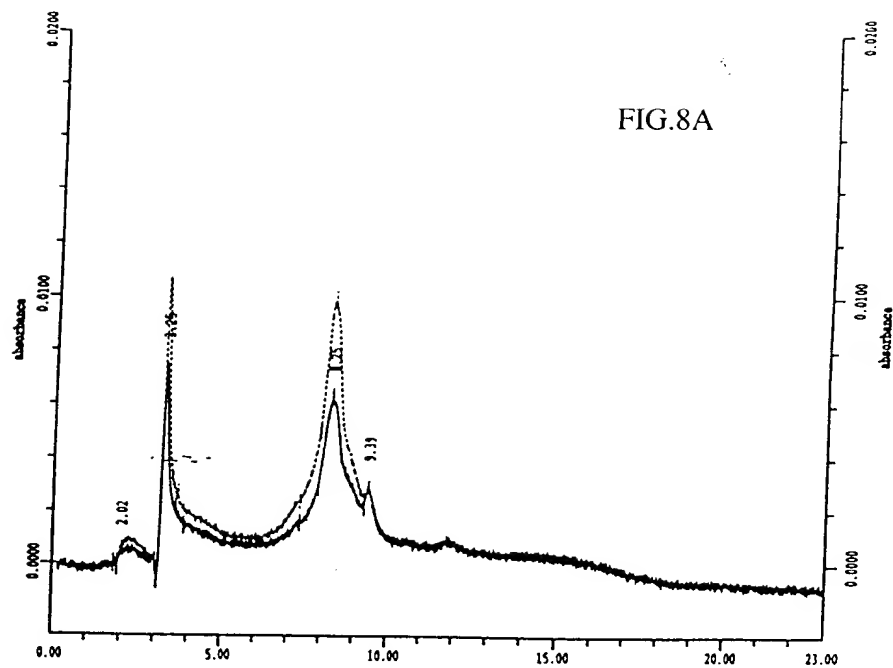
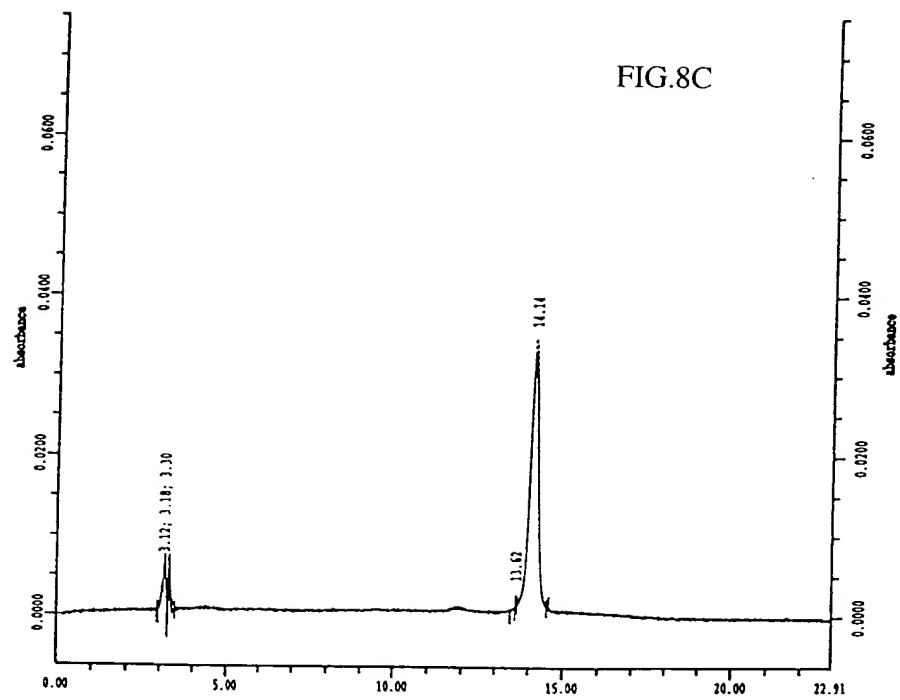


FIG.7





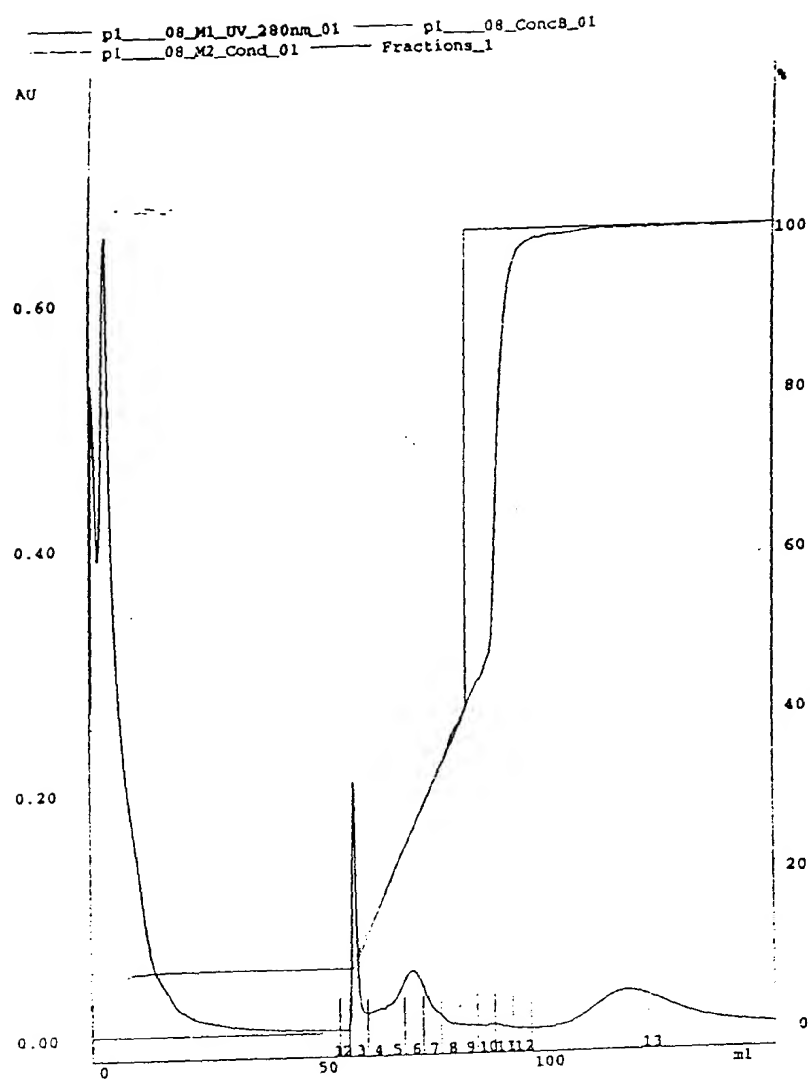
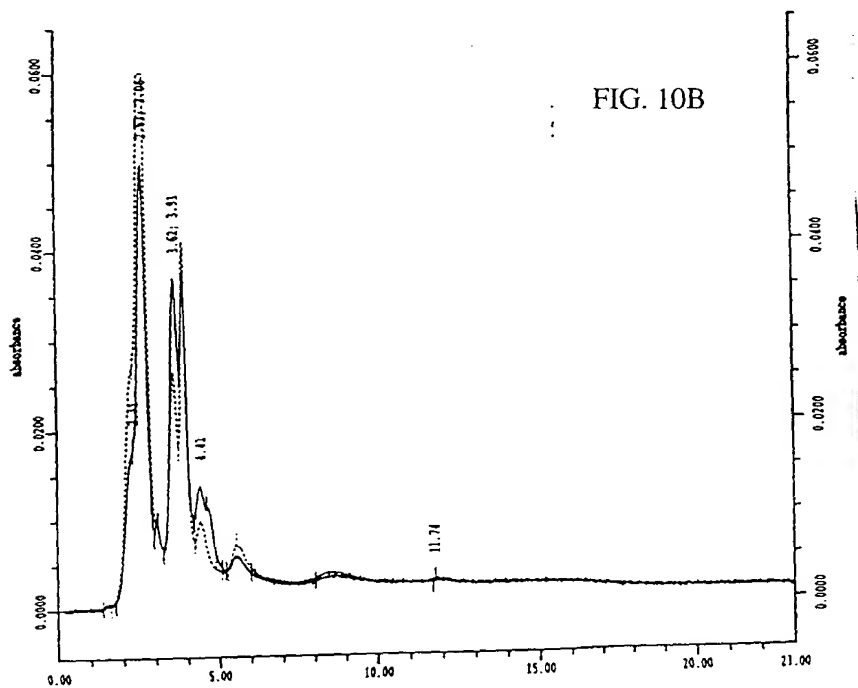
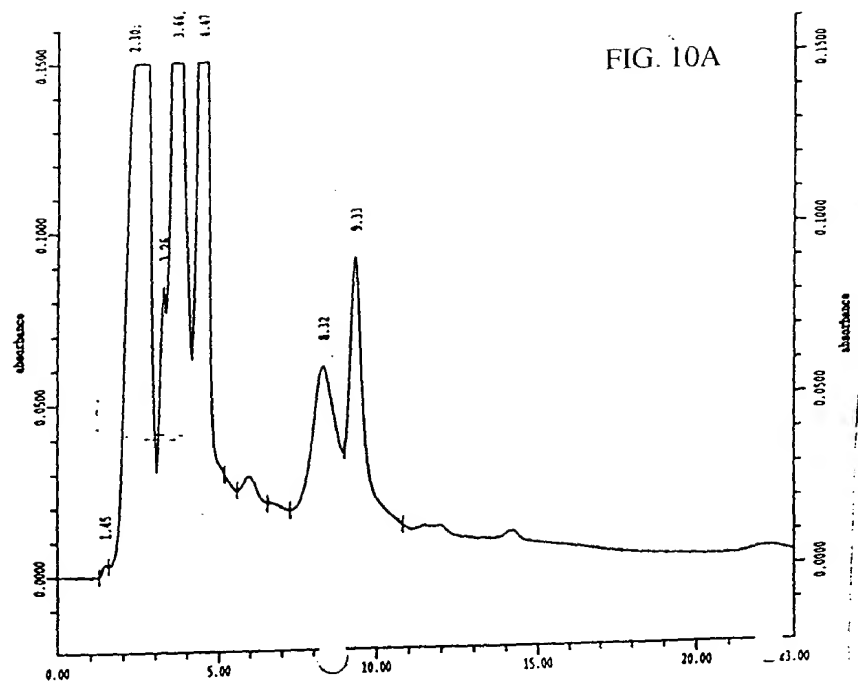
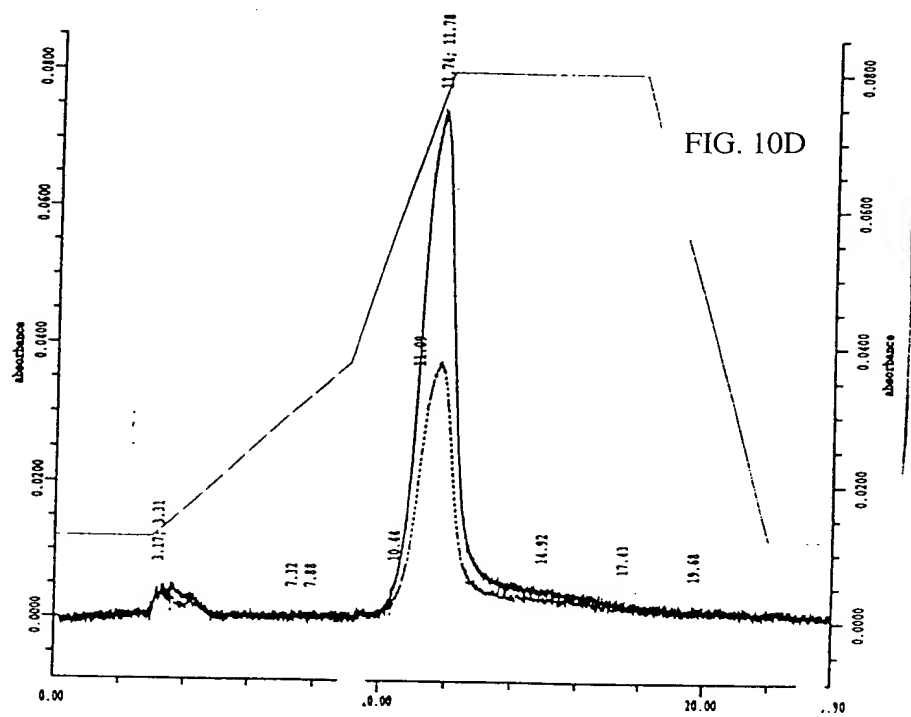
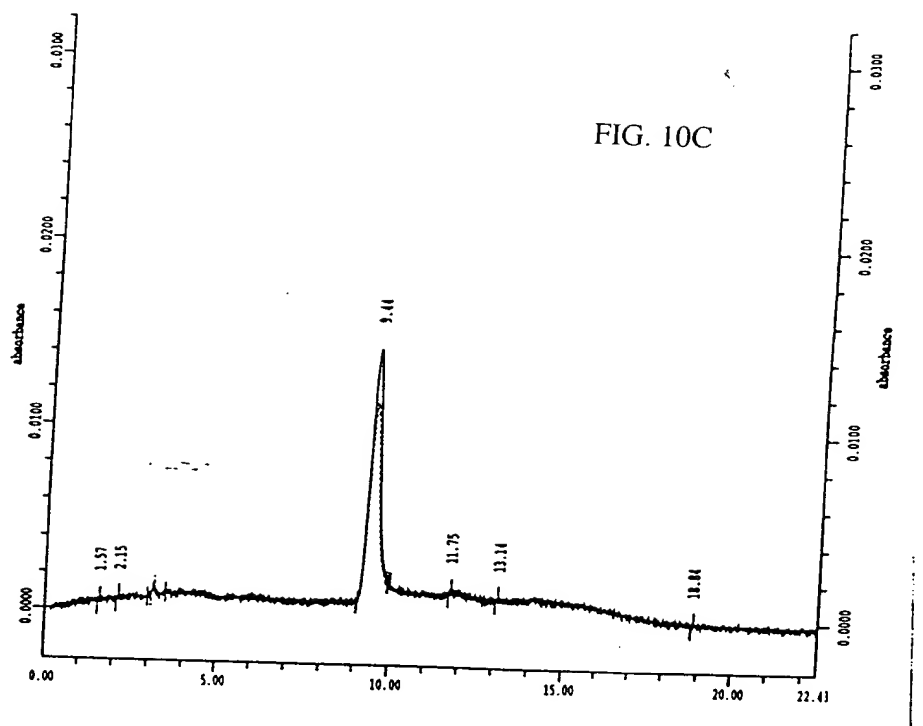
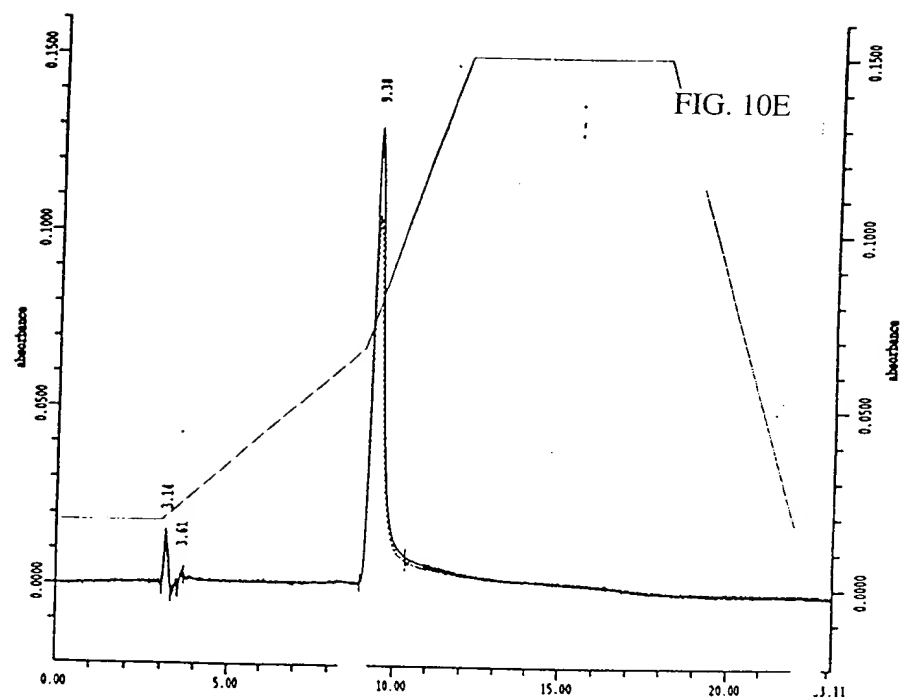


FIG. 9







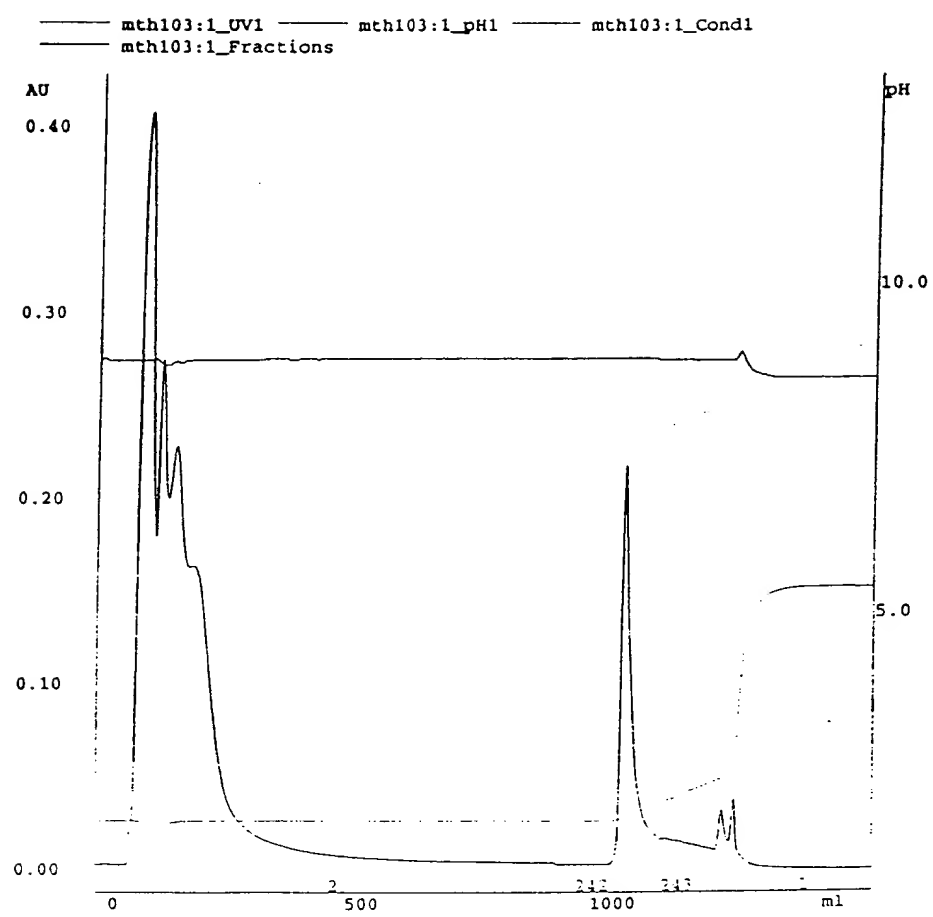


FIG. 11

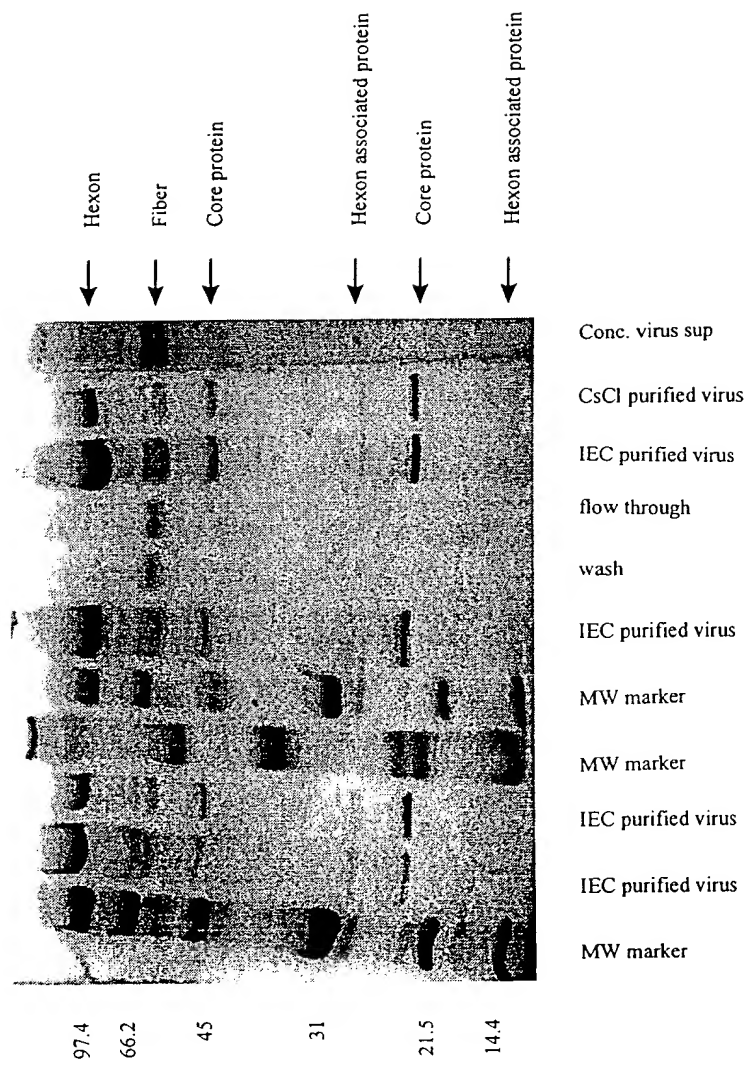


FIG. 12

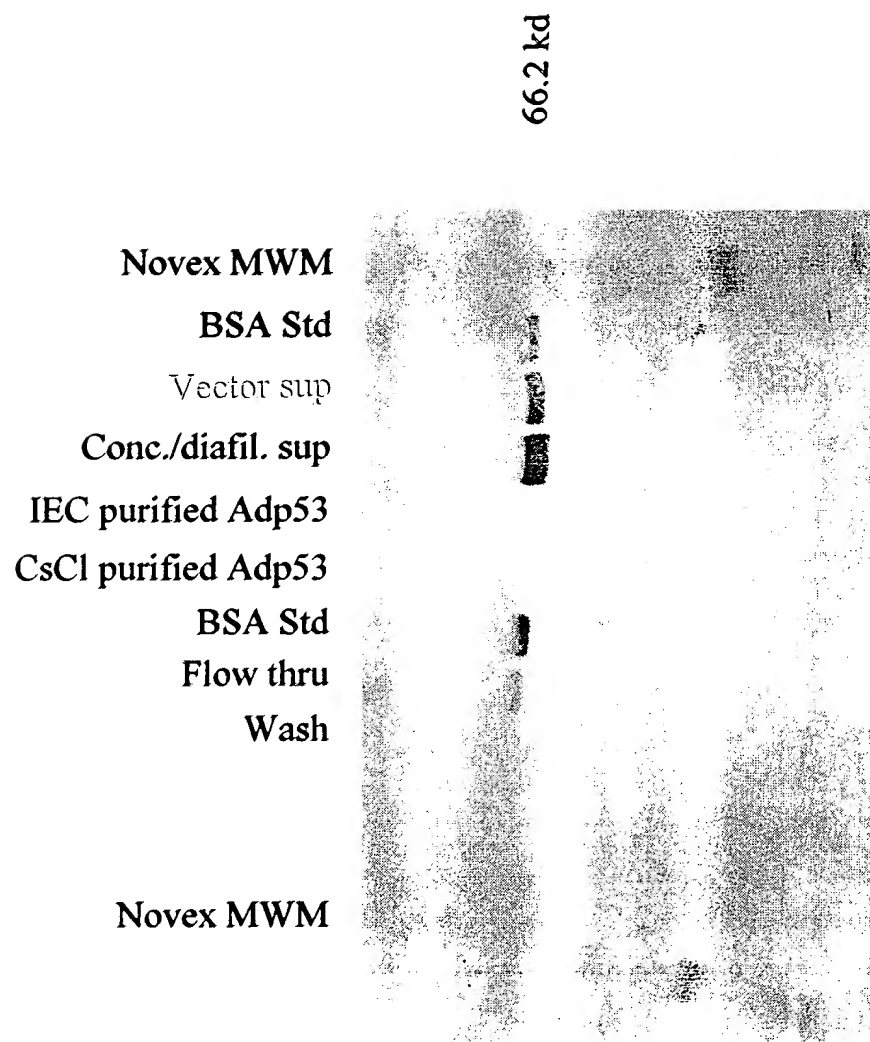


FIG. 13

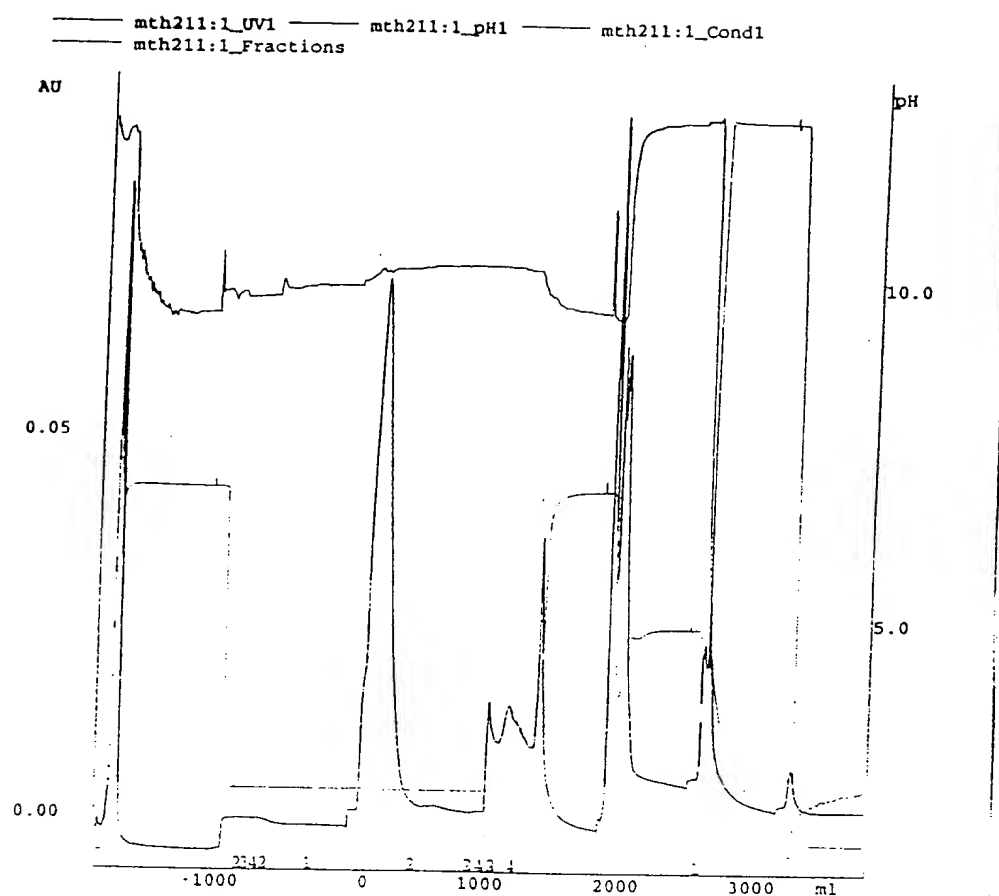


FIG. 14

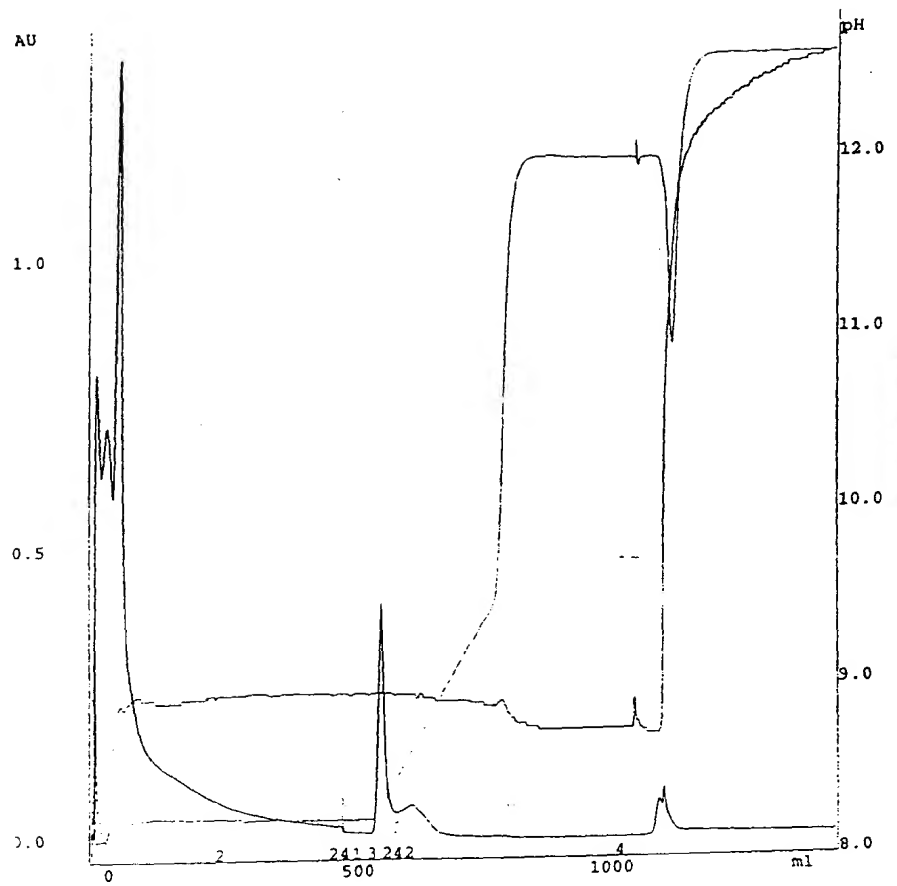
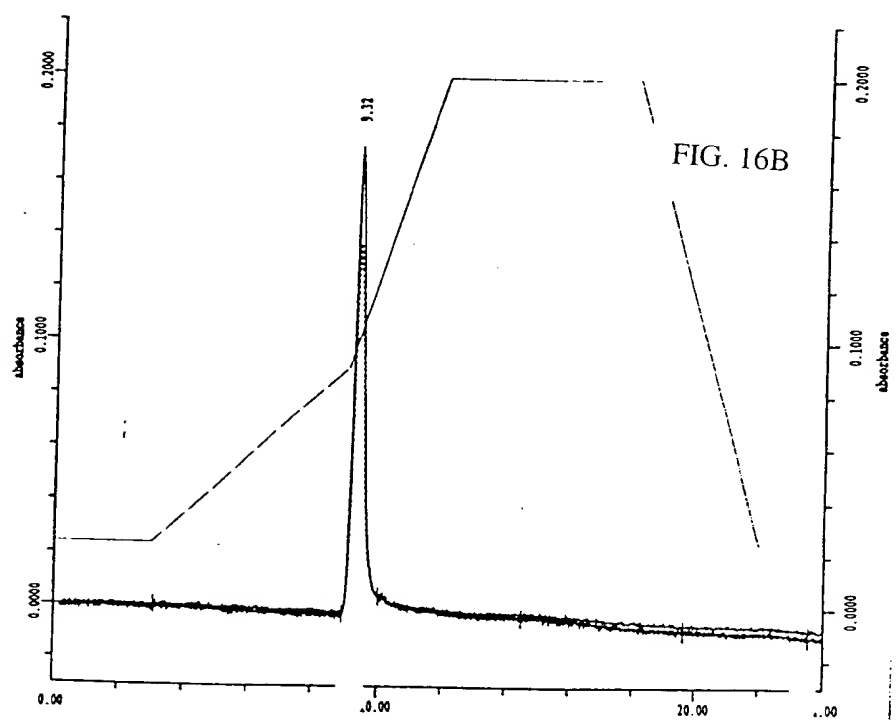
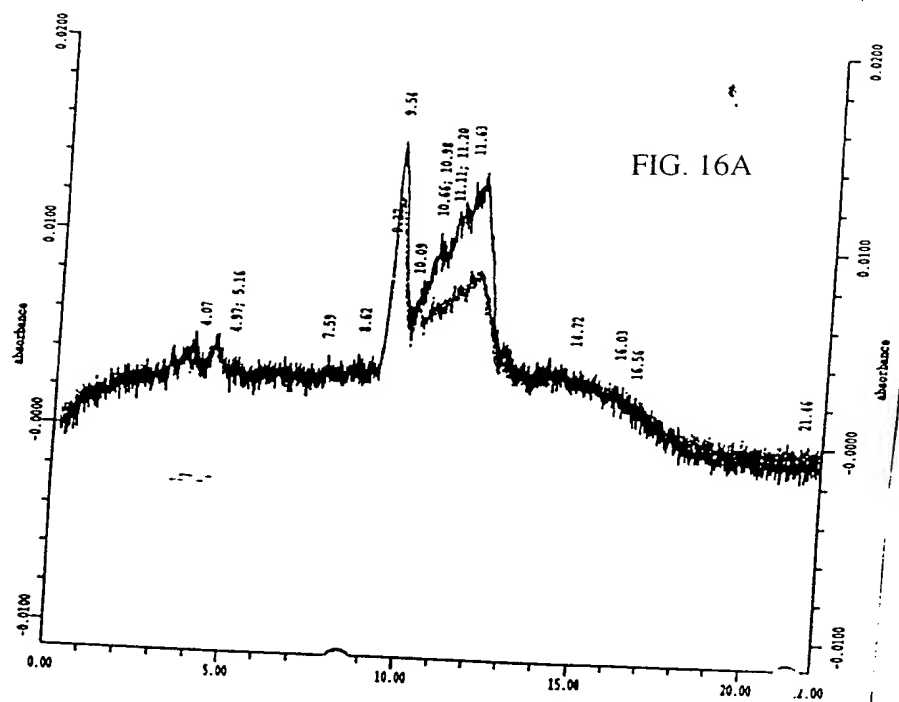


FIG. 15



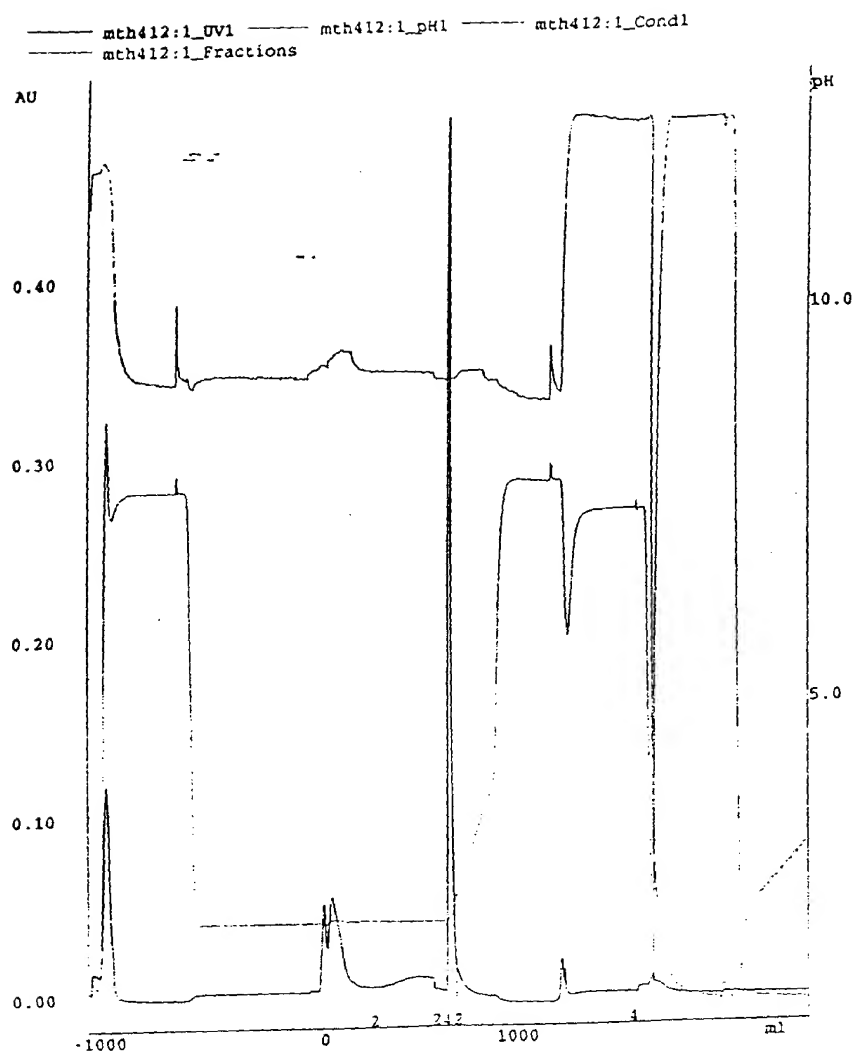


FIG. 17

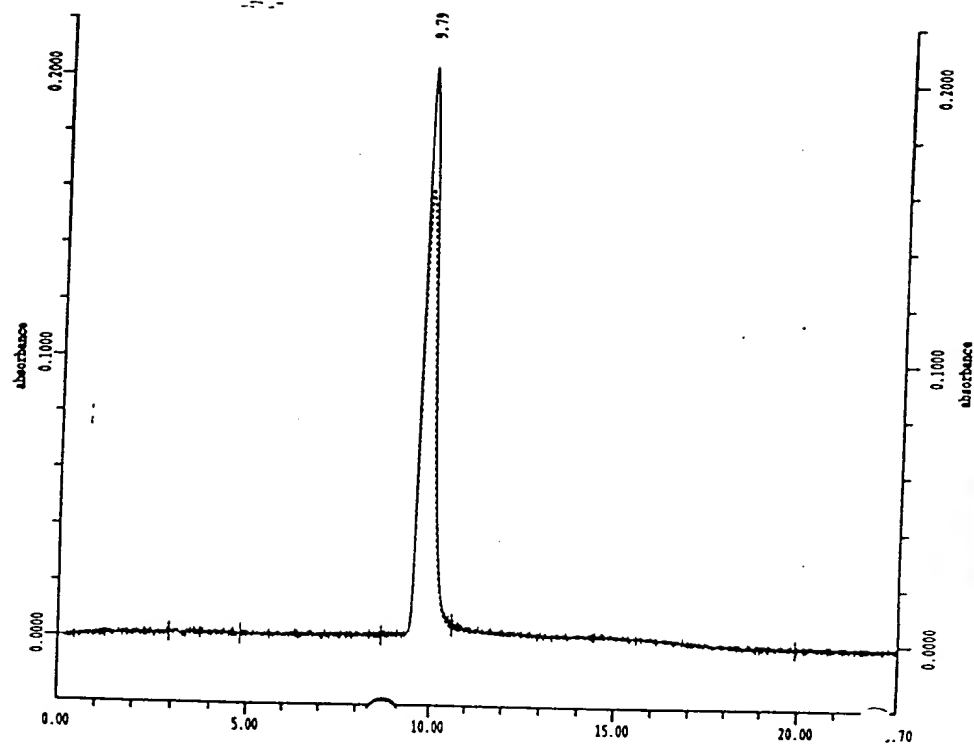
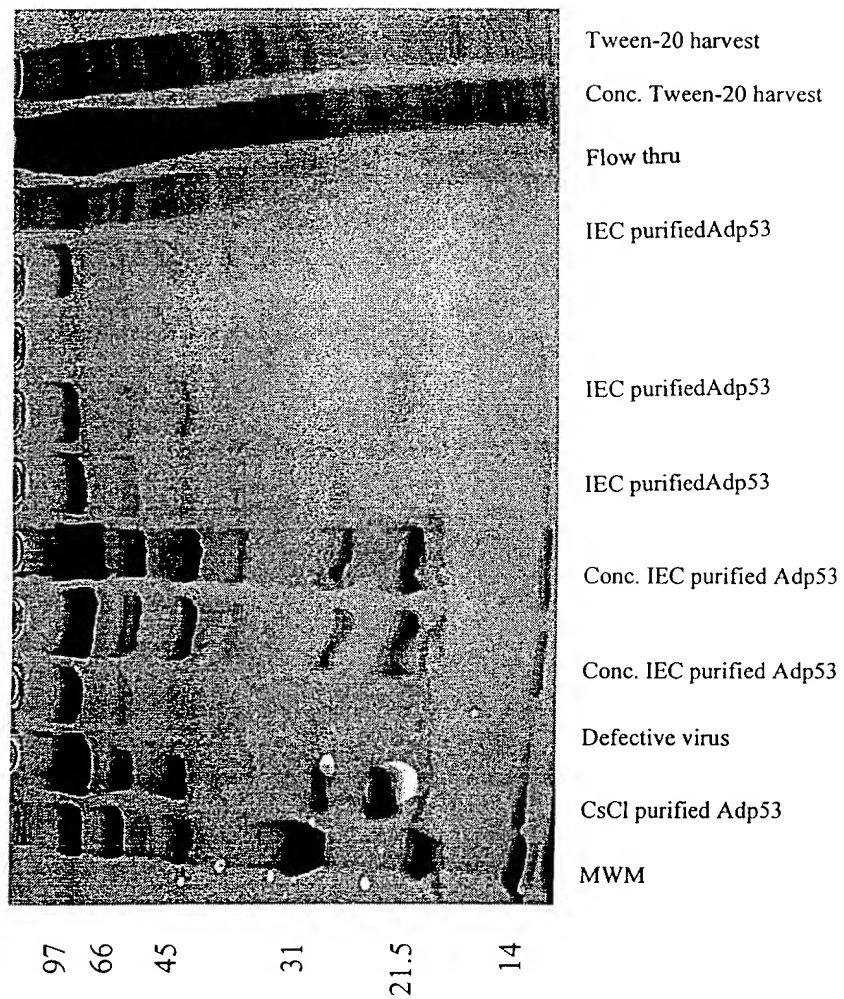


FIG. 18

FIG. 19A



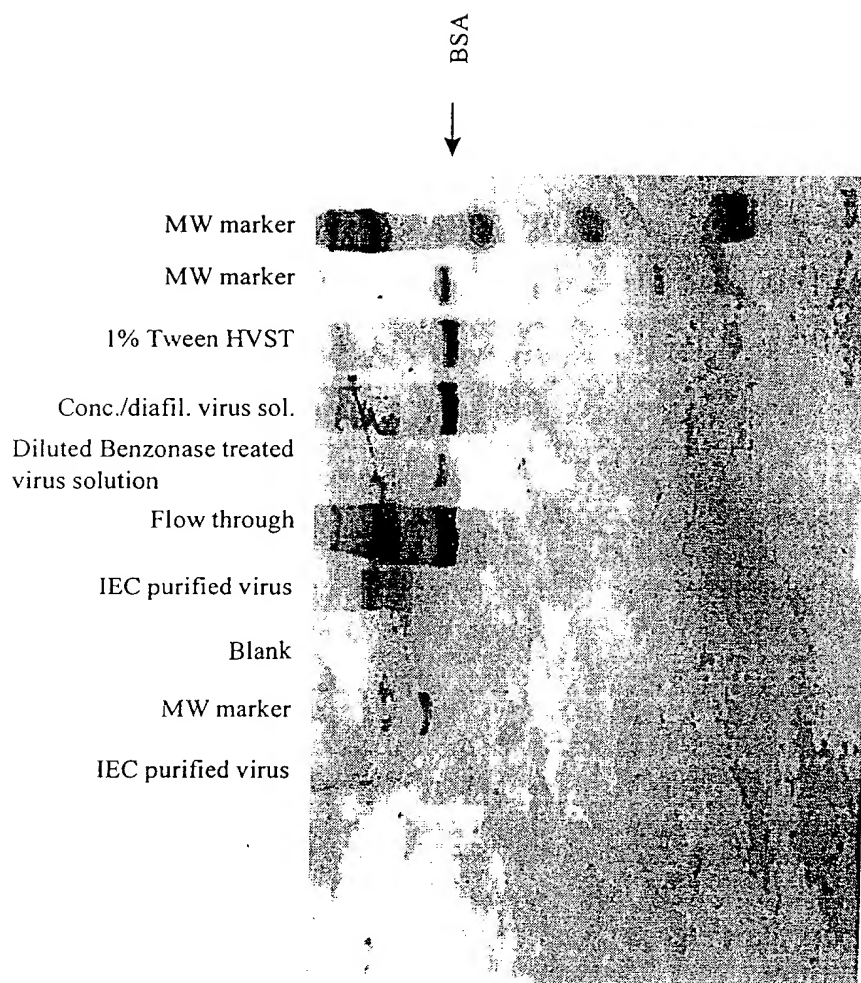


FIG. 19B

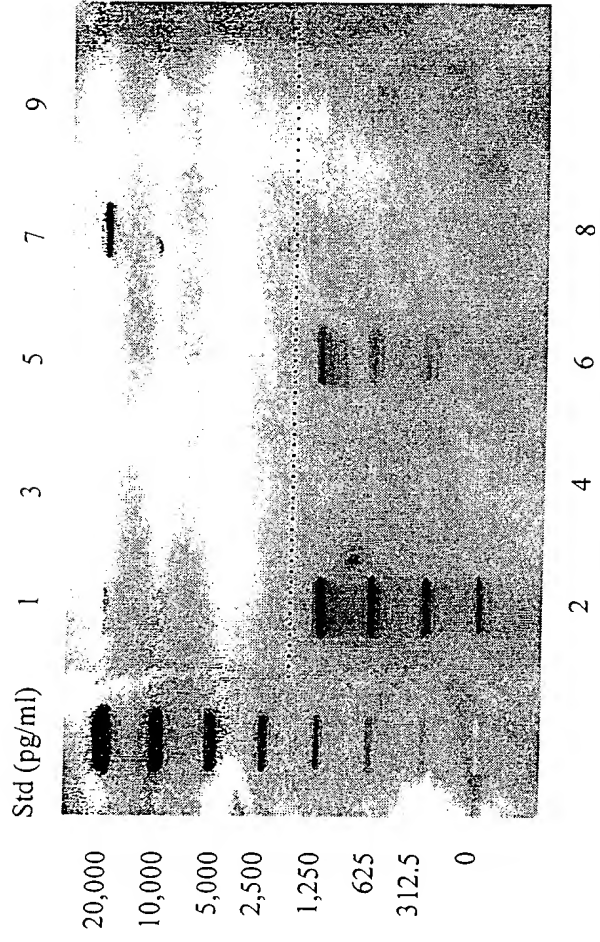
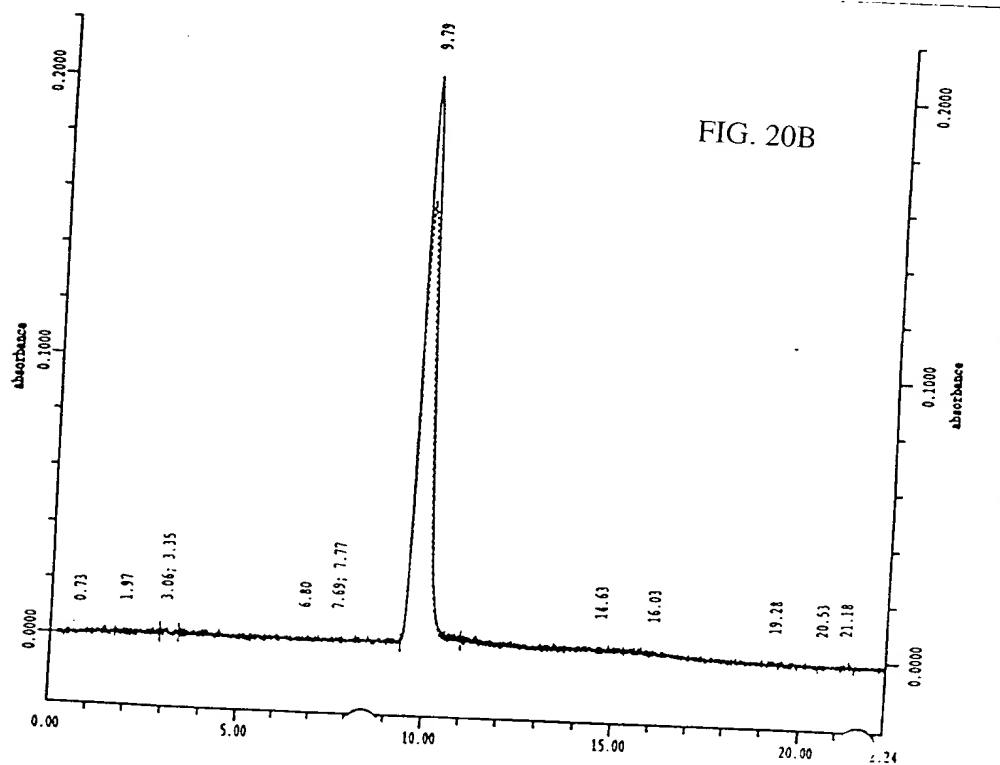
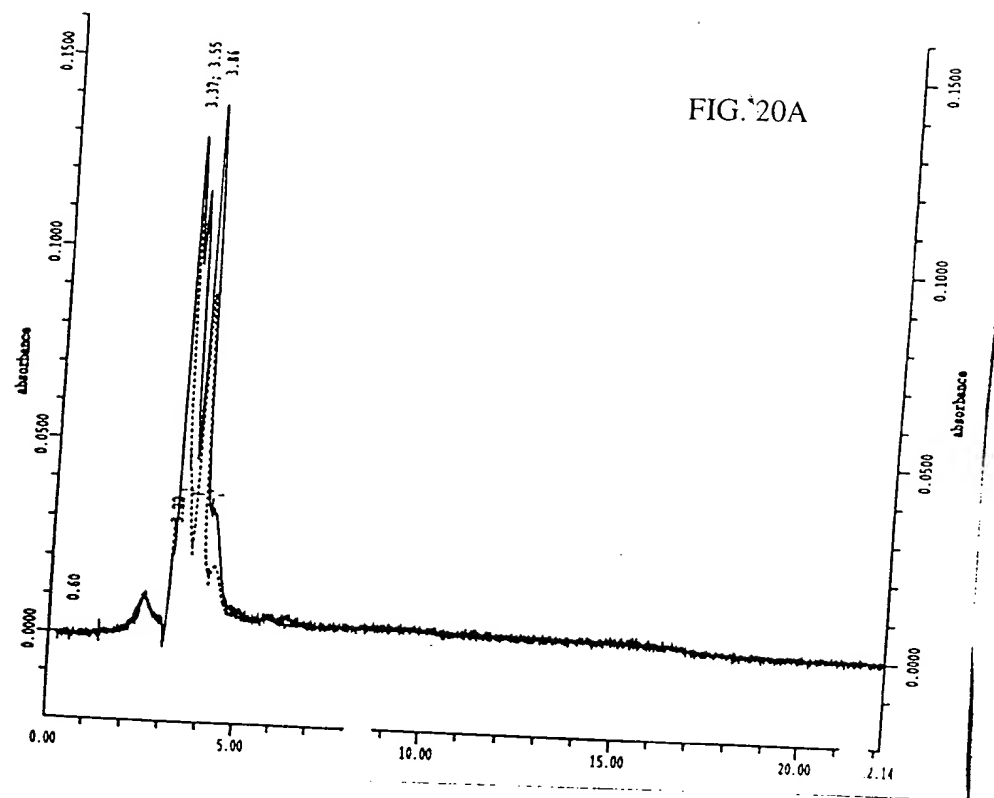
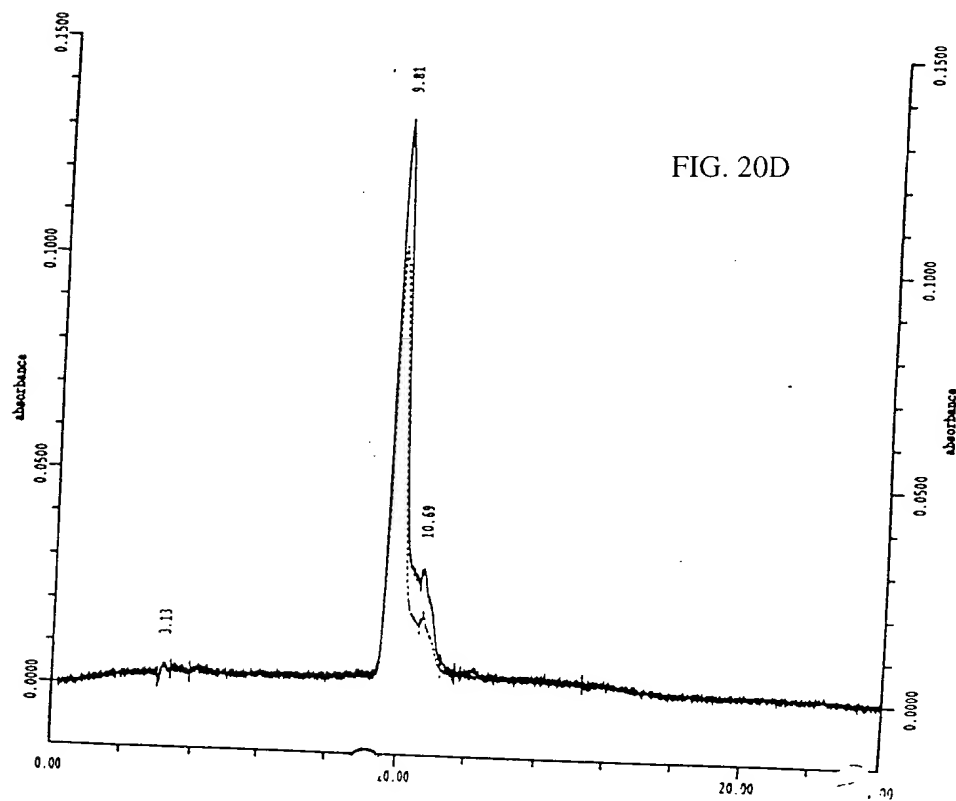
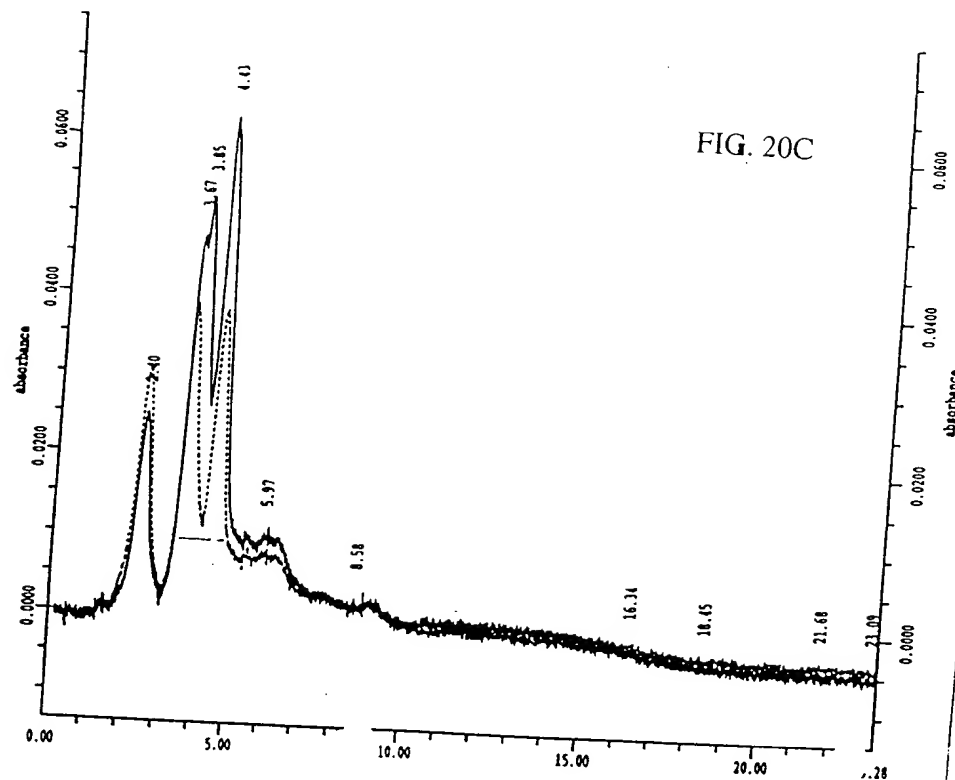
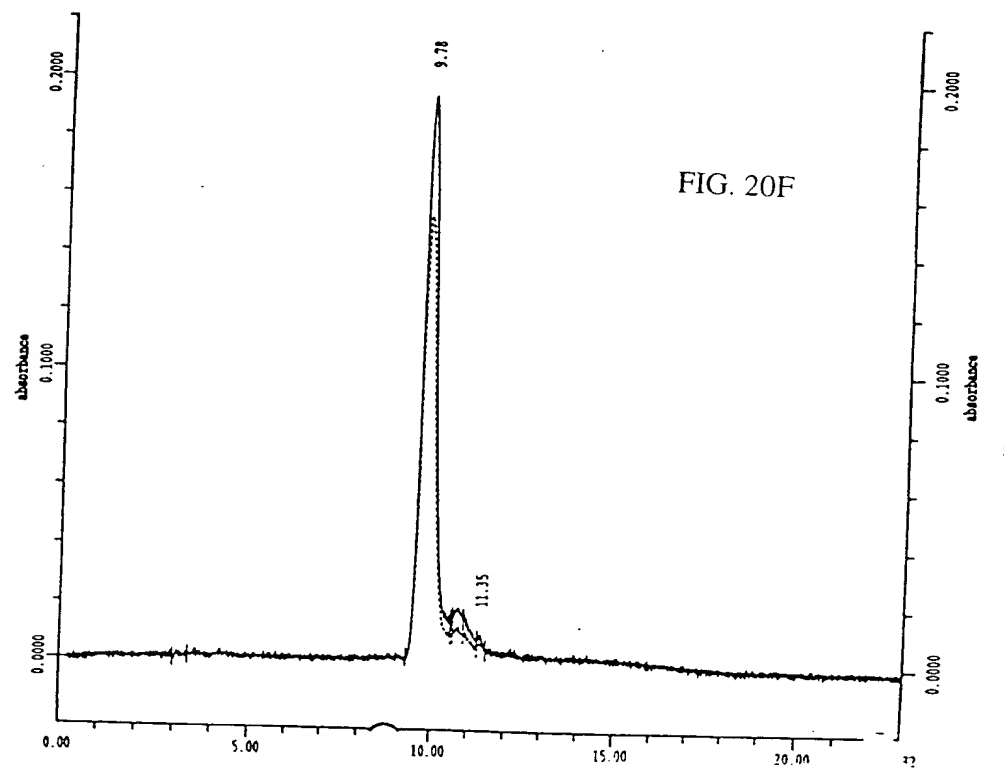
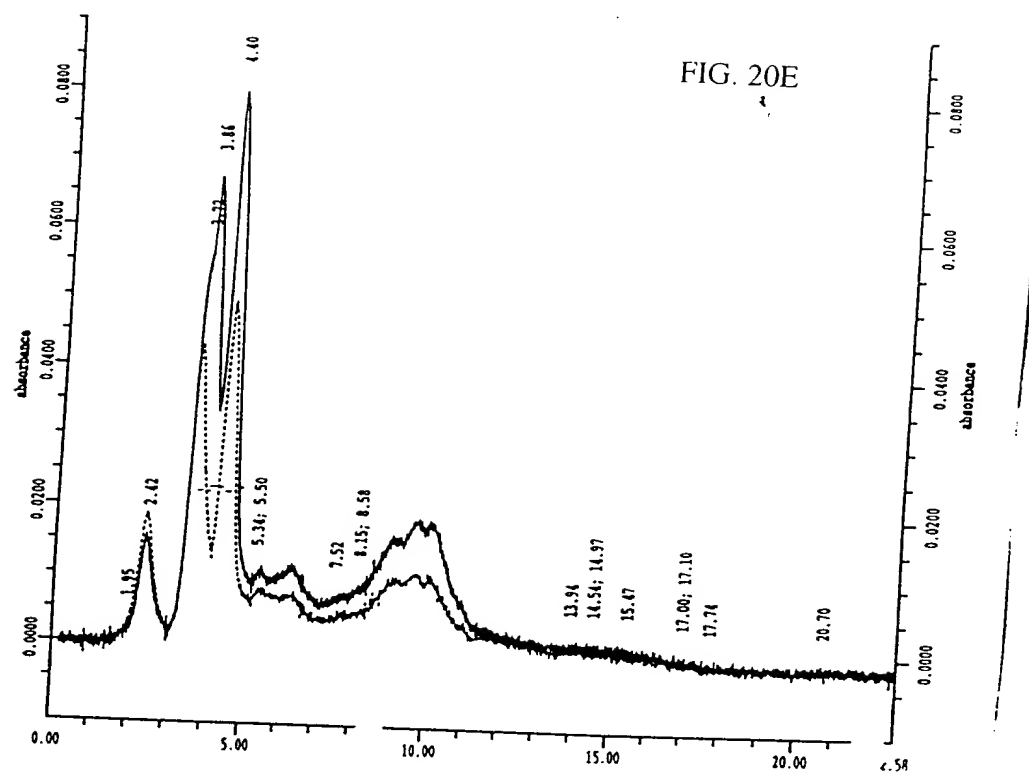


FIG. 19C







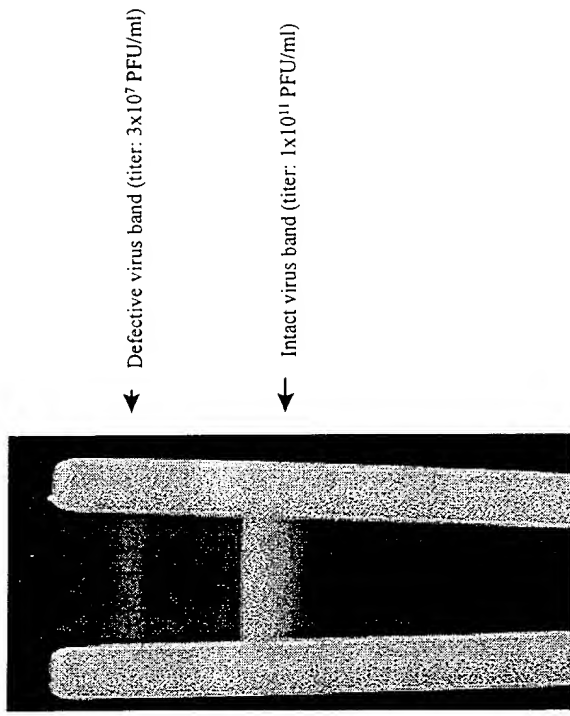
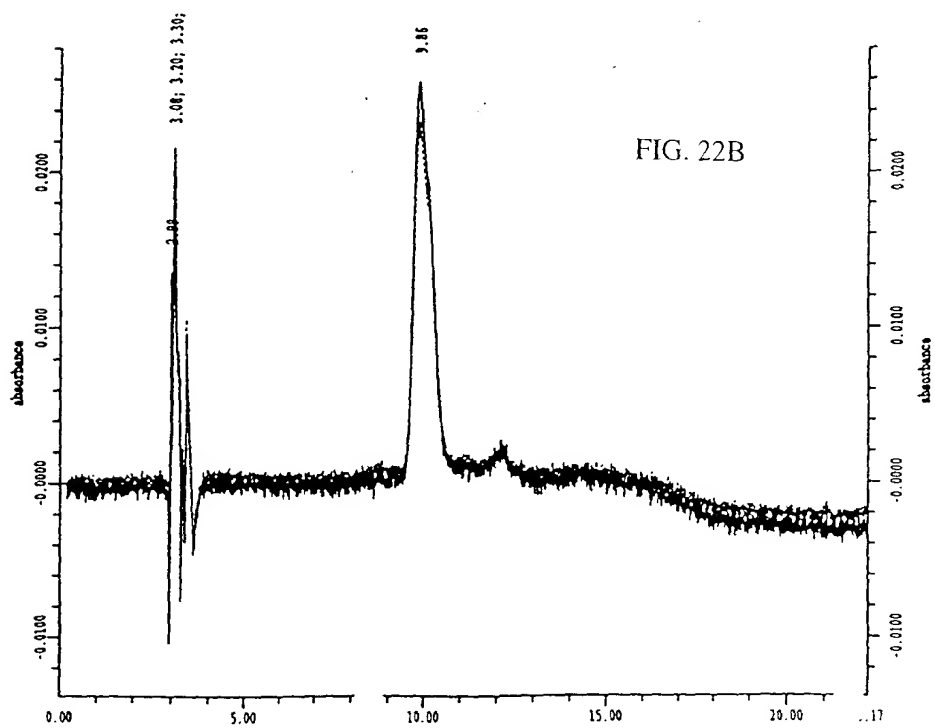
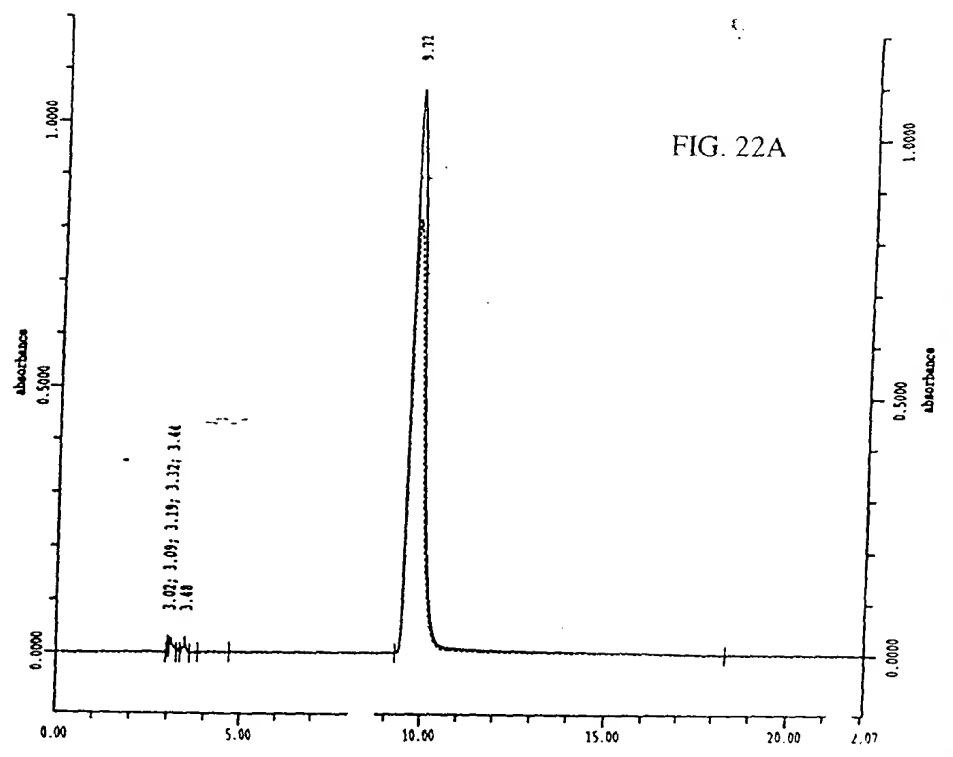


FIG. 21



		Titer (PFU/ml)	Vol. (ml)	Yield (PFU)	Recovery (%)	
					Step	Acc.
Cube	(low perfusion rate, keep glucose > 1g/L)					
↓ 1% Tween-20 in buffer A						
Harvest						
↓ Clarification and Filtration (0.22 um)						
Virus solution		2.6x10 ⁹	1900	4.9x10 ¹²		
↓ Conc./diaf. (10-fold conc., diaf. into 1M NaCl buffer A)						
Conc. sup		2.5x10 ¹⁰	200	5x10 ¹²	102%	
↓ Benzonase treatment (O/N, RT, 100u/ml)						
Treated sup						
↓ Dilute with water to conductivity = 22-25 mS/cm						
Diluted virus solution		7x10 ⁹	700	4.9x10 ¹²	98%	100%
↓						
Purified virus		1.5x10 ¹⁰	240	3.6x10 ¹²	73%	73%
↓ conc./diaf (5-fold conc.)						
Final purified product		7x10 ¹⁰	50	3.5x10 ¹²	97%	71%

FIG. 23